

Fig. 1

**Title of Invention: Systems and Methods for  
Licensing and Providing Selective Access to Network  
Applications**

**Inventor's Name: Davis et al.**

**Attorney Docket Number: 18360/237570**

Step 100

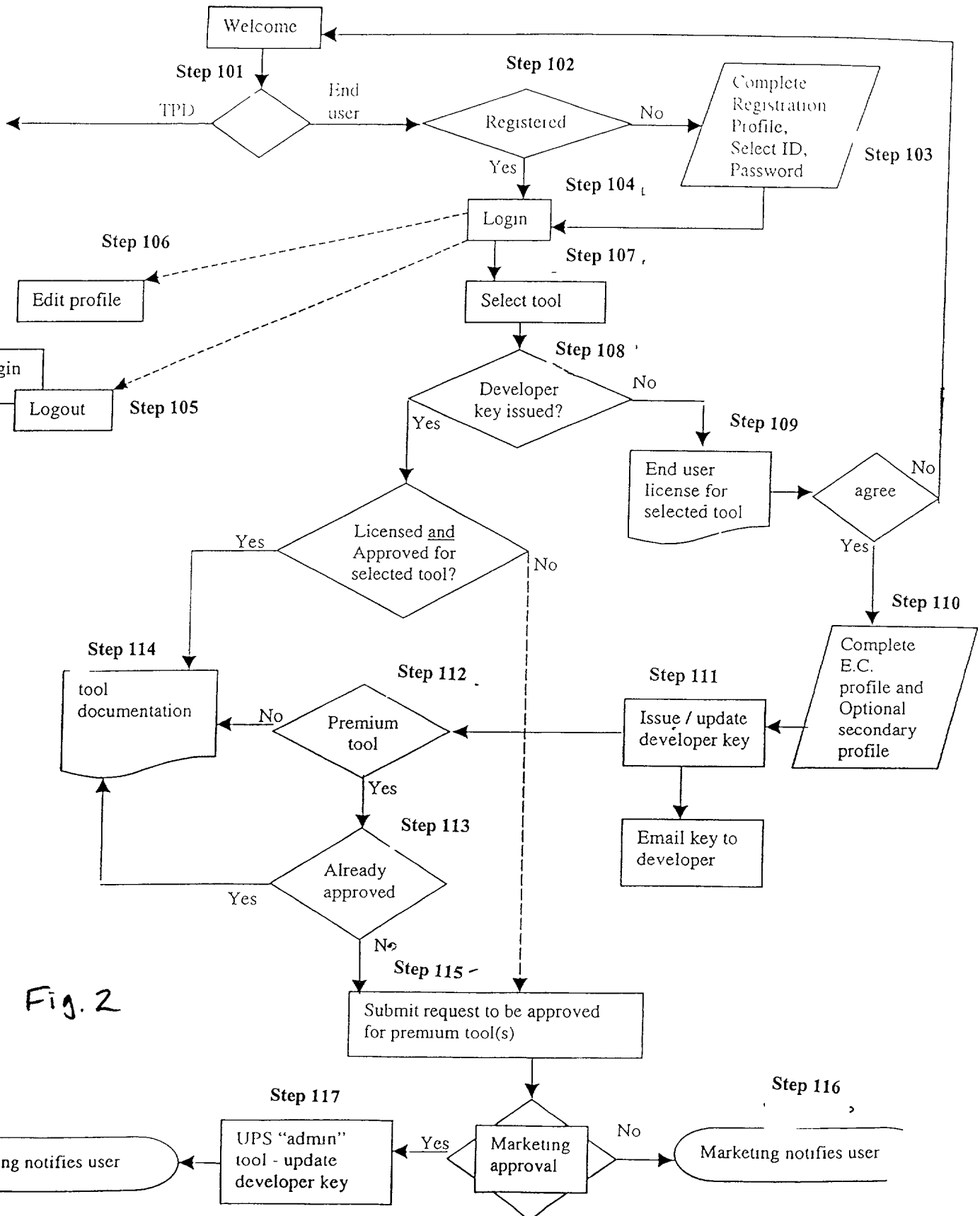


Fig. 2

Title of Invention: Systems and Methods for  
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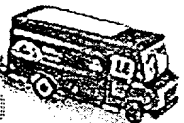
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SOLUTIONS  
STORE DEMO  
GET TOOLS  
CUSTOMER SUPPORT  
CLICKS & COMMERCE  
OTHER UPS SITES

Test Drive  
UPS OnLine® Tools



A New PC  
& Connections  
to UPS  
RUN IT BY ME.

UPS e-Logistics

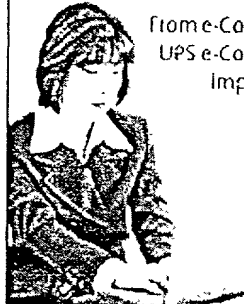
You Take The  
Orders... We'll Take  
It From There.

Learn More

### We've Got The Solution For You

Here at UPS, we've built a technology infrastructure second to none, enabling customers to link product shipments, services and information throughout the transaction value chain. See how UPS e-Commerce Solutions can improve your business processes.

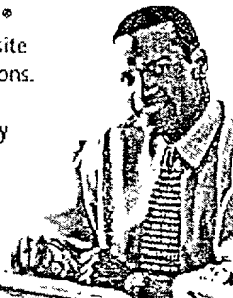
### Business Managers, start here: IT Professionals, start here:



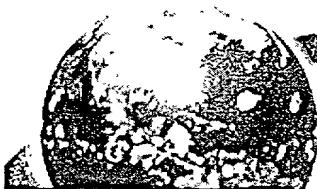
From e-Commerce to e-Business,  
UPS e-Commerce Solutions can  
improve customer service  
and reduce costs.

Learn More

Integrate UPS OnLine®  
Tools into your Web site  
or enterprise applications.  
These new API's from  
UPS, add functionality  
that will benefit  
your business.



Learn More



### UPS OnLine® Tools – Goes Global!

UPS's essential shipping and business tools  
are now available worldwide.

LEARN MORE

SURVEY

LEGAL

PRIVACY

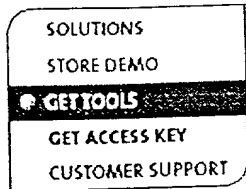
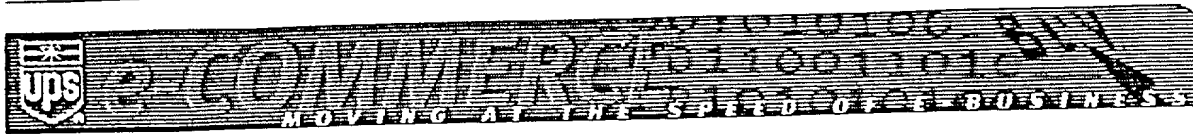
SITE MAP

Fig. 3

Title of Invention: Systems and Methods for  
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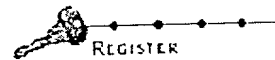
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### We've Got the Tools for You

Welcome to the starting point for acquiring UPS OnLine® Tools in the United States. To proceed, please choose between one of two user categories – end users and third party developers.



#### Returning Customer

- Already registered? Log In
- Already have a Developers Key? Get Access Key

If your business is located outside the United States, you can register for the tools by either speaking with your UPS Representative or by visiting the UPS e-business Web site for your country.

#### End User

An end user incorporates the tools into their business's e-commerce-enabled applications that are not available for commercial sale. If you are an end user, there are a few steps to take before you access the tools, mostly in the exchange of information. These steps will generate keys, to be used as unique identifiers. The Developer's Key will give you access to the UPS OnLine Tools documentation. The Access Key will actually be used to access UPS systems upon implementation. The keys will also help us better protect your information and in turn keep you informed of future enhancements and changes to UPS OnLine Tools.

#### Here's What You Must Do As An End User

- Register
- Log In
- Choose Tool
- Accept the end user agreement to get a Developer's Key
- Download Documentation
- Agree to the access terms to get an Access Key

#### Third Party Developers

A third party developer incorporates the tools into other companies' e-commerce applications or their own software applications they build for direct or indirect sale to the public. If you are a third party developer, go to the third party developer instructions.

- Need help in determining which description best fits your business?

Fig. 4

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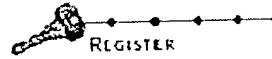
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- SOLUTIONS
- STORE DEMO
- GET TOOLS**
- GET ACCESS KEY
- CUSTOMER SUPPORT

### Registration



Registering with UPS makes sure you stay up-to-date with our latest services updates and enhancements. Please note that this registration is designed to establish a relationship between your company and UPS. It is important to keep your company profile up to date in the event management of your company's UPS OnLine<sup>®</sup> Tools is transferred to another person. We recommend that you establish a separate personal account for other MY UPS.COM functionality.

Already have an I.D. and password for MY UPS.COM? Go to  
[Log-In](#)

To register now, please complete the form below, with required fields shown in **bold**.

<b>Name:</b>	<input type="text"/>	
<b>Title:</b>	<input type="text"/>	
<b>Company:</b>	<input type="text"/>	
<b>Street Address:</b>	<input type="text"/>	
<b>Rm., Fl., Apt:</b>	<input type="text"/>	
<b>Dept:</b>	<input type="text"/>	
<b>City:</b>	<b>State :</b>	<input type="text" value="None"/>
<b>Postal Code:</b>	<b>Country:</b>	<input type="text" value="United States *"/>
<b>E-mail:</b>	<input type="text"/>	
<b>Phone:</b>	<input type="text"/>	<b>Ext:</b> <input type="text"/>

☒ Please inform me about UPS service updates and UPS com enhancements

[Register](#)

[Cancel](#)

Fig. 5

Title of Invention: Systems and Methods for  
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Applications

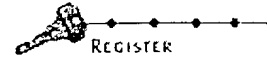
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### Select User ID And Password



We recommend that your password contain both letters and numerals. Both User ID and password are case-sensitive.

User ID:

Password (6 to 10 characters):

Re-enter Password:

The verification question and response below will be used if you forget your password.

Verification Question:

Verification Response:

- ☐ Accept
- ☐ Reject

2003-04-09 10:46:03



Fig. 6

Title of Invention: Systems and Methods for  
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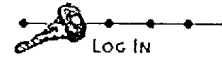
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Log In



User ID:  Password:

[Register now](#) as an end-user.

By logging in to ups.com you agree to the following [Terms and Conditions](#)

Download UPS Online® Tools to:

- put the power of information into your customers' hands
- improve customer service
- increase customer time spent on your site
- give customers peace of mind that you're working with UPS
- reduce costs by increasing shipping efficiencies

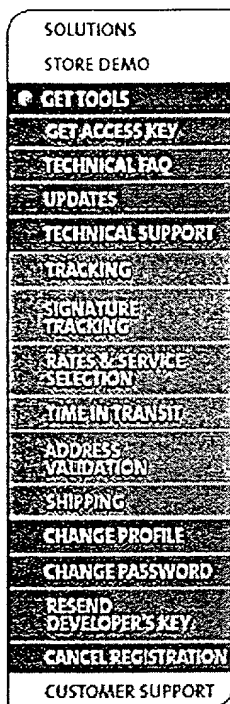
[SURVEY](#) [LEGAL](#) [PRIVACY](#) [SITE MAP](#)

Fig. 7

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**Choose Your UPS OnLine® Tool**



Welcome and thank you for registering to use UPS OnLine Tools.

The UPS OnLine Tools are server-side programs that reside on Internet servers at UPS. We currently offer two versions of the tools XML (eXtensible Markup Language) and HTML

All of the tools are available in the XML version. XML documents typically are used for business-to-business communication and data interchange between dissimilar systems over the Web. The XML versions do not return data in the form of HTML pages. Instead, they return data in a convenient HTTP format that can be more easily parsed by client-side applications.

Two of the most popular tools, UPS Tracking and UPS Rates & Service Selection, are also available as HTML template programs. The HTML versions are technically easy to implement, but do not offer the flexibility nor customization options of the XML versions.

The documentation for each tool includes all the instructions you need to integrate UPS OnLine Tools into your e-commerce Web site or enterprise. E-mail [Technical Support](#) is also available to assist you with any questions you may have.

**UPS OnLine Tools**

**Standard Tools**

**UPS Tracking**

For a given UPS tracking or reference number, this tool identifies the package(s) and provides detailed information about each package, including the current shipping status and the time and location of each scan while in transit. [Get Tool](#)

**UPS Rates & Service Selection**

The UPS Rates & Service Selection tool returns rates for available UPS domestic and international services, and provides UPS published shipping rates. [Get Tool](#)

**UPS Time in Transit**

For a single package with US origin, this tool displays all available UPS shipping services with their scheduled delivery time, date and days in transit. UPS Time in Transit also accounts for holidays and weekends, so customers can make more accurate shipping decisions. [Get Tool](#)

**Fig. 8A**

DECISIONS: [GET TOOL](#)

### **UPS Address Validation**

This tool validates that an input city, state, postal code combination is consistent, and returns a list of up to 10 valid city-state-postal code combinations that closely match the input. This tool supports only U.S. domestic addresses. [Get Tool](#)

### **Premium Tools**

#### **UPS Signature Tracking**

This tool is for companies that want to reduce the time needed to confirm that goods are received before issuing an invoice. UPS OnLine Signature Tracking lets you confirm delivery by viewing a digital signature of the authorized recipient in real time. [Get Tool](#)

#### **UPS Shipping**

This tool offers you and your employees self-service shipping 24/7. Designed especially for customers wanting a custom shipping application, this tool enables businesses to monitor their shipping activities and elevate customer service while lowering overall operational costs. [Get Tool](#)

[SURVEY](#)

[LEGAL](#)

[PRIVACY](#)

[SITE MAP](#)

Fig. 8B

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- SOLUTIONS
- STORE DEMO
- GET TOOLS
- GET ACCESS KEY
- TECHNICAL FAQ
- UPDATES
- TECHNICAL SUPPORT
- CHANGE PROFILE
- CHANGE PASSWORD
- CANCEL REGISTRATION
- CUSTOMER SUPPORT

**Before We Issue Your License...**



Thank you for accepting the End-User License Agreement. In order to issue your license, we need some additional information. Please complete the form below. Required fields are shown in **bold**.

**Primary Information:**

Name: test one  
Title:   
Company:   
Street Address: 1000 mansell road  
Rm., Fl., Apt:   
Department:   
City: ROSWELL  
State: Georgia  
Postal Code: 30076  
Country: United States  
Company URL:   
UPS Account Number:   
Email: test1@ups.com  
Phone: 6785851000 Ext:   
Fax:

**Secondary Information:**

Name:   
Title:   
Email:   
Phone: Ext:   
Fax:

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TRACKING
SIGNATURE TRACKING
RATES & SERVICE SELECTION
TIME IN TRANSIT
ADDRESS VALIDATION
SHIPPING
CHANGE PROFILE
CHANGE PASSWORD
RESEND DEVELOPER'S KEY
CANCEL REGISTRATION
CUSTOMER SUPPORT

### You Are Licensed



Thank you for joining the growing community of UPS OnLine® Tool developers. Upon your agreement to the developer's license, a Developer's Key has been issued and will be e-mailed shortly to the address you provided during registration. You are now able to get the following UPS OnLine Tools documentation. You will also need your Developer's Key to request an Access Key for access to UPS systems.

#### Select Your Tool Documentation

- [UPS Tracking HTML](#)
- [UPS Time in Transit XML](#)
- [UPS Rates & Service Selection HTML](#)
- [UPS Tracking XML](#)
- [UPS Address Validation XML](#)
- [UPS Rates & Service Selection XML](#)

Fig. 10

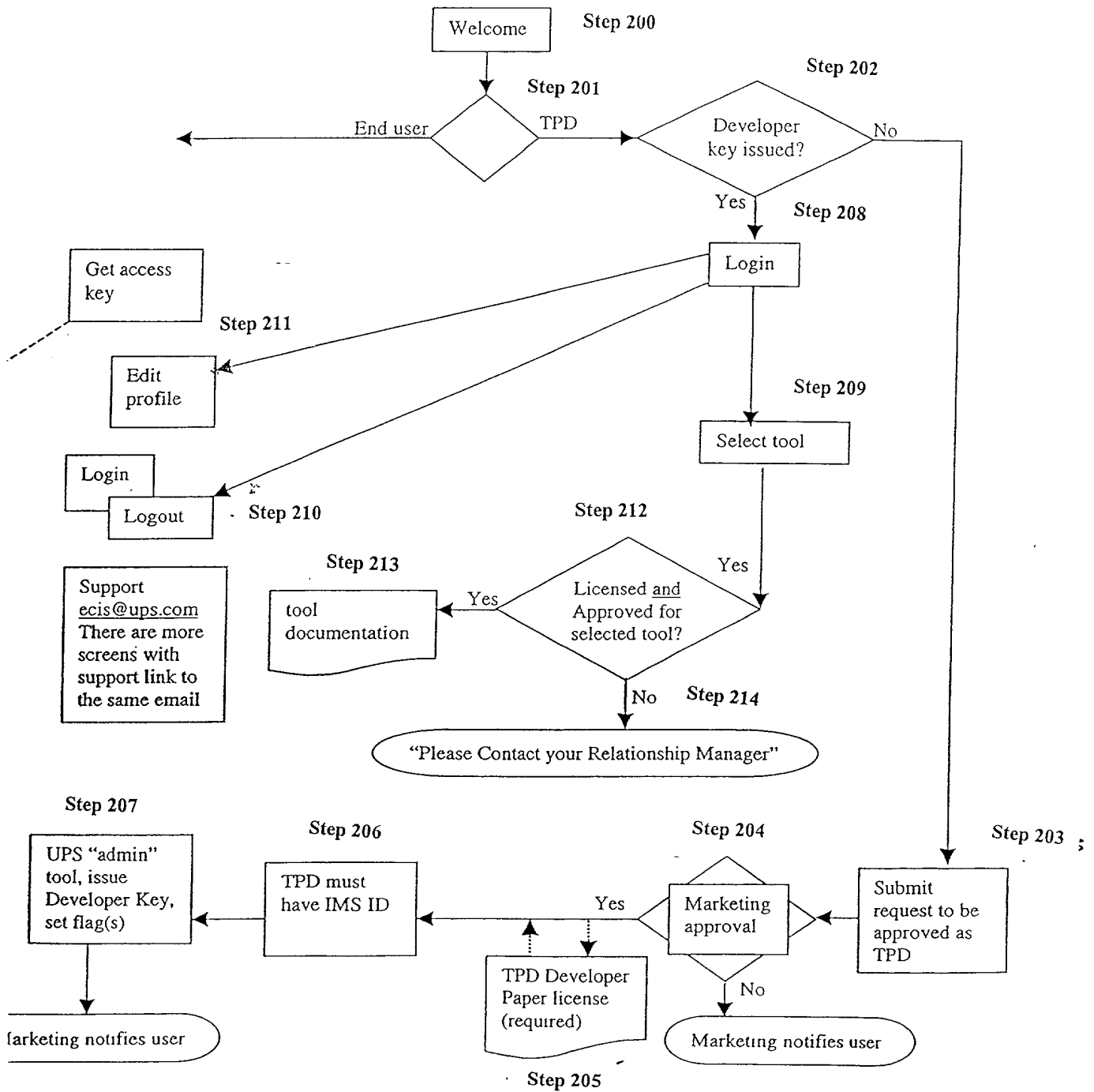
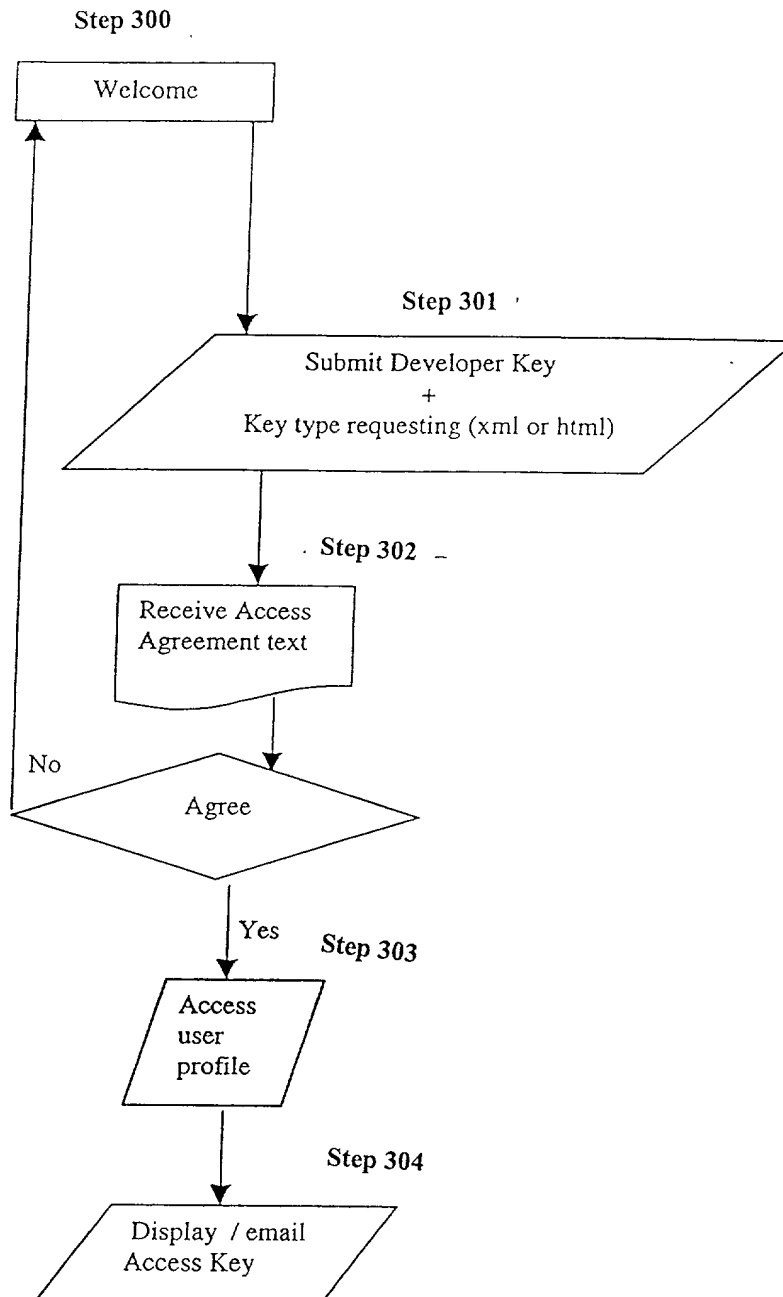


Fig. 11

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*Fig. 12*

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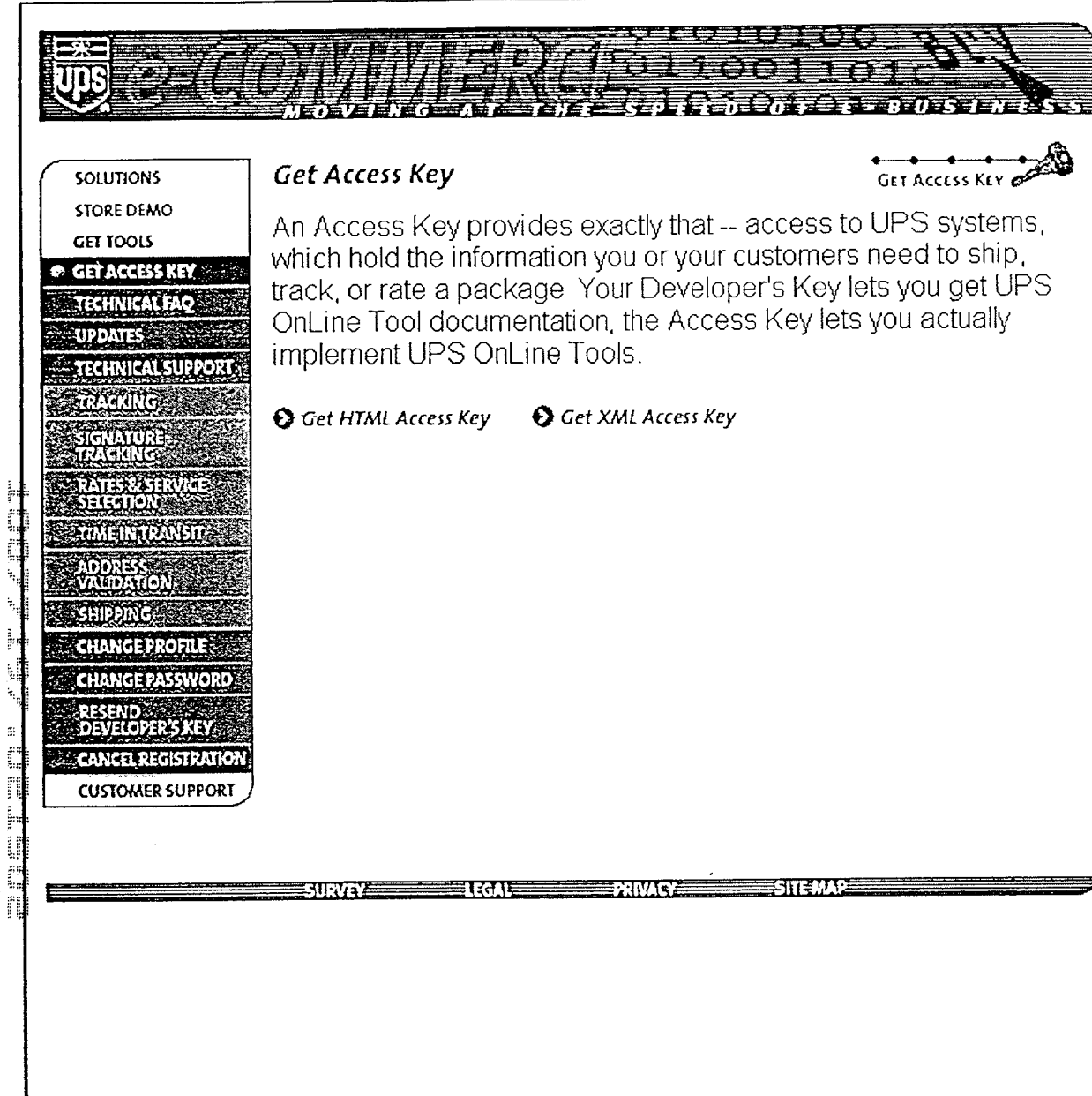




Fig.13

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MOVING AT THE SPEED OF E-BUSINESS

SOLUTIONS

STORE DEMO

GET TOOLS

**GET ACCESS KEY**

TECHNICAL FAQ

UPDATES

TECHNICAL SUPPORT

TRACKING

SIGNATURE TRACKING

RATES & SERVICE SELECTION

TIME IN TRANSIT

ADDRESS VALIDATION

SHIPPING

CHANGE PROFILE

CHANGE PASSWORD

RESEND DEVELOPER'S KEY


CANCEL REGISTRATION

CUSTOMER SUPPORT

### Get Access Key

To furnish a HTML Access Key, we need your Developer's Key. If you have forgotten your Developer's Key, it can be sent to your email address

Developer's Key:

 Submit

Don't have a Developer's Key? Please Register.

[SURVEY](#)

[LEGAL](#)

[PRIVACY](#)




[SITE MAP](#)

Fig. 14A

Title of Invention: Systems and Methods for  
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MOVING AT THE SPEED OF E-BUSINESS

SOLUTIONS

STORE DEMO

GET TOOLS

**GET ACCESS KEY**

TECHNICAL FAQ

UPDATES

TECHNICAL SUPPORT

TRACKING

SIGNATURE TRACKING

RATES & SERVICE SELECTION

TIME IN TRANSIT

ADDRESS VALIDATION

SHIPPING

CHANGE PROFILE

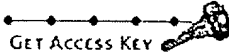
CHANGE PASSWORD

RESEND DEVELOPER'S KEY

CANCEL REGISTRATION

CUSTOMER SUPPORT


**Get Access Key**



To furnish XML Access Key, we need your Developer's Key. If you have forgotten your Developer's Key, it can be sent to [your email address](#).

Please Note: For UPS Signature Tracking and UPS Shipping it is especially important that you wait until your request to use these tools is approved before requesting a XML Access Key.

Developer's Key:

 **Submit**

Don't have a Developer's Key? Please [Register](#).

SURVEY

LEGAL

PRIVACY

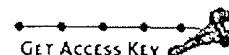
SITE MAP

Fig. 14B



- SOLUTIONS
- STORE DEMO
- GET TOOLS
- GET ACCESS KEY
- TECHNICAL FAQ
- UPDATES
- TECHNICAL SUPPORT
- TRACKING
- SIGNATURE TRACKING
- RATES & SERVICE SELECTION
- TIME IN TRANSIT
- ADDRESS VALIDATION
- SHIPPING
- CHANGE PROFILE
- CHANGE PASSWORD
- RESEND DEVELOPER'S KEY
- CANCEL REGISTRATION
- CUSTOMER SUPPORT

### Before we issue your Access Key



Thank you for accepting the Access License Agreement. In order to issue your Access Key, we need some additional information. Please complete the form below. Required fields are shown in **bold**.

#### Primary Information:

Name:

Title:

Company:

Street Address:

Rm., Fl., Apt:

Department:

City:

State:

Postal Code:

Country:

Company URL:

UPS Account Number:

Email:

Phone:  Ext:

Fax:

#### Secondary Information:

Name:

Title:

Email:

Phone:  Ext:

Fax:

Fig. 15

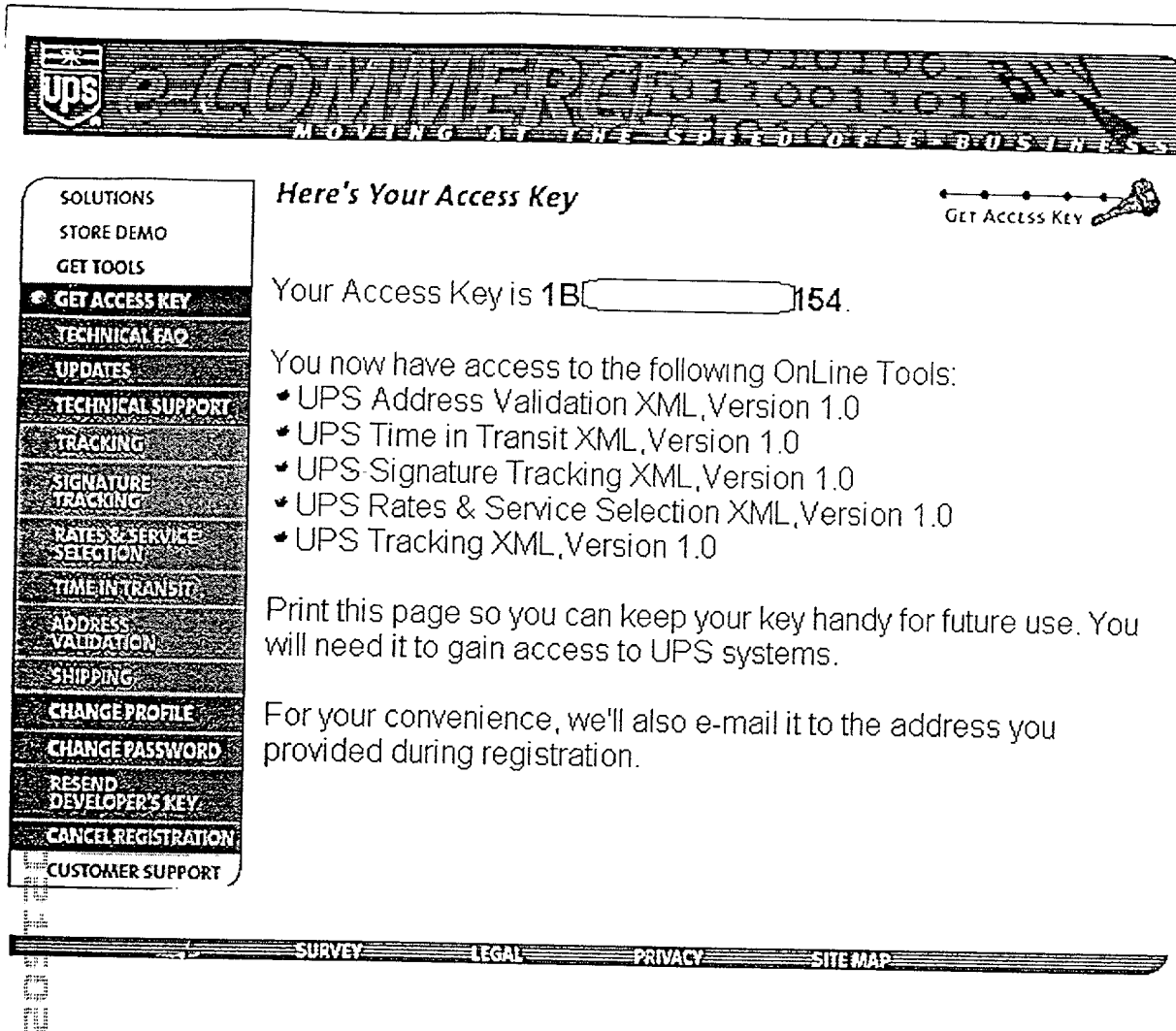


Fig. 16